

### Table ENG-3. - Building Site Development

Madison County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Ab:							
Albano	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Depth to hard bedrock Shrink-swell	0.61 0.50	Shrink-swell	0.50
Ac:							
Alluvial land	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.98	Depth to saturated zone	1.00	Depth to saturated zone	0.98
Wet Spots	5	Not Rated		Not Rated		Not Rated	
Ad:							
Alluvial land	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Content of large stones	1.00	Depth to saturated zone	1.00	Content of large stones	1.00
		Depth to saturated zone	0.98	Content of large stones	1.00	Depth to saturated zone	0.98
Wet Spots	5	Not Rated		Not Rated		Not Rated	
AIA:							
Altavista variant	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
AIB:							
Altavista variant	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
ApB:							
Appling	85	Not limited		Not limited		Somewhat limited Slope	0.13
Wet Spots	1	Not Rated		Not Rated		Not Rated	
ApC:							
Appling	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00

ApD2:

# Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
ApD2: Appling	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
ArB: Appling	85	Not limited		Not limited		Somewhat limited Slope	0.13
Au: Augusta variant	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	0.98	Depth to saturated zone	1.00	Depth to saturated zone	0.98
Wet spots	3	Not Rated		Not Rated		Not Rated	
BaB: Baile	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Shrink-swell	0.50			Shrink-swell	0.50
						Slope	0.13
BcB: Braddock	50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
						Slope	0.13
Thurmont	30	Not limited		Somewhat limited Depth to saturated zone	0.15	Somewhat limited Slope	0.13
BcC: Braddock	50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Very limited Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
Thurmont	30	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
				Depth to saturated zone	0.15		
BcD2: Braddock	50	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Thurmont	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
				Depth to saturated zone	0.15		

### Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
BdC:							
Brandywine	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
BdD:							
Brandywine	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
BeC:							
Brandywine	85	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope	1.00
BeD:							
Brandywine	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
BeF:							
Brandywine	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
BnD:							
Brandywine	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
BnF:							
Brandywine	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
BrC:							
Bremo	85	Somewhat limited Depth to hard bedrock Slope	0.46 0.37	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 0.46
BrE:							
Bremo	85	Very limited Slope Depth to hard bedrock	1.00 0.46	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.46
BsB:							
Bucks	85	Somewhat limited Shrink-swell	0.50	Not limited		Somewhat limited Shrink-swell Slope	0.50 0.13
BsC2:							
Bucks	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Slope	0.37	Very limited Slope Shrink-swell	1.00 0.50
Bu:							

### Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Bu:							
Buncombe	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
CbB:							
Calverton	50	Somewhat limited Depth to saturated zone	0.98	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.98
		Shrink-swell Depth to thick cemented pan	0.50 0.46	Depth to thick cemented pan Shrink-swell	1.00 0.50	Shrink-swell Depth to thick cemented pan	0.50 0.46
Creedmoor	50	Very limited Shrink-swell Depth to saturated zone	1.00 0.77	Very limited Depth to saturated zone Shrink-swell	1.00 1.00	Very limited Shrink-swell Depth to saturated zone	1.00 0.77
CcC:							
Catoctin	85	Somewhat limited Depth to hard bedrock Slope	0.46 0.37	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 0.46
CcE:							
Catoctin	85	Very limited Slope Depth to hard bedrock	1.00 0.46	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.46
CeB:							
Cecil	85	Not limited		Not limited		Somewhat limited Slope	0.13
CeB2:							
Cecil	85	Not limited		Not limited		Somewhat limited Slope	0.13
CeC:							
Cecil	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
CeC2:							
Cecil	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
CeD2:							
Cecil	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
CfB:							
Cecil	85	Not limited		Not limited		Somewhat limited Slope	0.13

### Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CgC3: Cecil	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
ChC: Cecil	55	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Appling	40	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
ChC2: Cecil	50	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Appling	45	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
CkB: Chester	50	Not limited		Not limited		Somewhat limited Slope	0.13
Brandywine	30	Not limited		Not limited		Somewhat limited Slope	0.13
CkC: Chester	50	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Brandywine	30	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
CkC2: Chester	50	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Brandywine	30	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
CkD: Chester	50	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Brandywine	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Cm: Chewacla	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00

## Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Cm:							
Wet Spots	5	Not Rated		Not Rated		Not Rated	
Cn:							
Codorus variant	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.98	Depth to saturated zone	1.00	Depth to saturated zone	0.98
CoC:							
Colfax	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.97
						Slope	0.50
Cr:							
Colluvial land	85	Not Rated		Not Rated		Not Rated	
Cu:							
Colluvial land	85	Not Rated		Not Rated		Not Rated	
Cv:							
Congaree	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
				Depth to saturated zone	0.90		
Cw:							
Congaree	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
				Depth to saturated zone	0.90		
DaB2:							
Davidson	85	Not limited		Not limited		Somewhat limited Slope	0.13
DaC2:							
Davidson	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
DaD2:							
Davidson	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
DkB:							
Dyke	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13

# Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
DkC2:							
Dyke	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
DkE2:							
Dyke	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Eb:							
Elbert	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
EIB:							
Elioak	85	Not limited		Not limited		Somewhat limited Slope	0.13
EIB2:							
Elioak	85	Not limited		Not limited		Somewhat limited Slope	0.13
EIC:							
Elioak	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
EIC2:							
Elioak	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
EID2:							
Elioak	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
EmB:							
Elioak	85	Not limited		Not limited		Somewhat limited Slope	0.13
EmB2:							
Elioak	85	Not limited		Not limited		Somewhat limited Slope	0.13
EmC2:							
Elioak	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
EmD2:							

# Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
EmD2: Elioak	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
EnC3: Elioak	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
EnD3: Elioak	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
EsB: Eubanks	85	Not limited		Not limited		Somewhat limited Slope	0.13
EsC: Eubanks	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
EsC2: Eubanks	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
EtB: Eubanks	85	Not limited		Not limited		Somewhat limited Slope	0.13
EtC2: Eubanks	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
EtD2: Eubanks	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
EuC3: Eubanks	60	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Lloyd	35	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
EuD3: Eubanks	60	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00



# Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
EuD3:							
Lloyd	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
EuE3:							
Eubanks	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Lloyd	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
EyB:							
Eubanks	55	Not limited		Not limited		Somewhat limited Slope	0.13
Lloyd	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
EyB2:							
Eubanks	55	Not limited		Not limited		Somewhat limited Slope	0.13
Lloyd	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
EyC:							
Eubanks	55	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
Lloyd	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
EyC2:							
Eubanks	55	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
Lloyd	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
EyD2:							
Eubanks	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00

# Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
EyD2:							
Lloyd	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
FaB:							
Fauquier	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
FcB2:							
Fauquier	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
FcC2:							
Fauquier	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
FcD2:							
Fauquier	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
GIC2:							
Glenelg	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.16	Slope	0.16	Slope	1.00
GID2:							
Glenelg	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
GP:							
Gravel pit	100	Not Rated		Not Rated		Not Rated	
HaC:							
Hazel	85	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.46
HaD:							
Hazel	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
HaF:							
Hazel	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46

# Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
HsB:							
Hiwassee	85	Not limited		Not limited		Somewhat limited Slope	0.13
HsB2:							
Hiwassee	85	Not limited		Not limited		Somewhat limited Slope	0.13
HsC2:							
Hiwassee	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
HsD2:							
Hiwassee	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
IrB:							
Iredell	85	Very limited Shrink-swell Depth to saturated zone	1.00 0.98	Very limited Depth to saturated zone Shrink-swell	1.00 1.00	Very limited Shrink-swell Depth to saturated zone Slope	1.00 0.98 0.13
Wet spots	2	Not Rated		Not Rated		Not Rated	
LeD:							
Lewisberry	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
LfB:							
Lloyd	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
LfC2:							
Lloyd	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
LfD2:							
Lloyd	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
LIB:							
Lloyd	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
LIB2:							

# Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
LIB2:							
Lloyd	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
LIC2:							
Lloyd	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
LmB2:							
Lloyd variant	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
LmC2:							
Lloyd variant	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
LmD2:							
Lloyd variant	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
LnC3:							
Lloyd	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
LnD3:							
Lloyd	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
LoC:							
Louisburg	85	Somewhat limited Depth to hard bedrock Slope	0.29 0.16	Very limited Depth to hard bedrock Slope	1.00 0.16	Very limited Slope Depth to hard bedrock	1.00 0.29
LoD:							
Louisburg	85	Very limited Slope Depth to hard bedrock	1.00 0.29	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.29
LoF:							
Louisburg	85	Very limited Slope Depth to hard bedrock	1.00 0.29	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.29

Ma:

# Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Ma:							
Madeland	100	Not Rated		Not Rated		Not Rated	
MnB:							
Manassas	85	Not limited		Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.13
Wet spots	1	Not Rated		Not Rated		Not Rated	
MoC:							
Manor	85	Somewhat limited Slope	0.96	Somewhat limited Slope	0.96	Very limited Slope	1.00
MuB:							
Mayodan	85	Not limited		Not limited		Somewhat limited Slope	0.13
MuC2:							
Mayodan	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
MvB:							
Meadowville	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.61 0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
Wet spots	1	Not Rated		Not Rated		Not Rated	
MvC:							
Meadowville	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Depth to saturated zone Shrink-swell Slope	0.61 0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
MyC:							
Myersville	65	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Catoctin	30	Somewhat limited Depth to hard bedrock Slope	0.46 0.37	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 0.46
MyD:							
Myersville	65	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00

### Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
MyD:							
Catoctin	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
MyE:							
Myersville	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Catoctin	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
PnC:							
Penn	85	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.16	Slope	0.16	Depth to hard bedrock	0.46
PnD:							
Penn	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
PoC:							
Porters	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Depth to hard bedrock	0.42	Slope	1.00
				Slope	0.37		
PoD:							
Porters	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to hard bedrock	0.42		
PoF:							
Porters	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to hard bedrock	0.42		
RdB:							
Rapidan	85	Somewhat limited		Not limited		Somewhat limited	
		Shrink-swell	0.50			Shrink-swell	0.50
						Slope	0.13
ReC2:							
Rapidan	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Slope	0.37	Slope	1.00
		Slope	0.37			Shrink-swell	0.50
Rh:							
Riverwash	85	Not Rated		Not Rated		Not Rated	

### Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Rk:							
Roanoke	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Rn:							
Rock land	85	Not Rated		Not Rated		Not Rated	
Ro:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RrD:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RrE:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RtD:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RtE:							
Rock land	85	Not Rated		Not Rated		Not Rated	
Ru:							
Rock outcrop	85	Not Rated		Not Rated		Not Rated	
SrC:							
Starr	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
TrC:							
Trego	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	0.50
						Shrink-swell	0.50
Wet spots	1	Not Rated		Not Rated		Not Rated	
TuB:							
Tusquitee	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
TuC:							
Tusquitee	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
TuD:							
Tusquitee	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00

# Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
TuE:							
Tusquitee	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
UnB:							
Unison	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
UnC:							
Unison	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
UnD:							
Unison	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
UsC:							
Unison	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
UsD:							
Unison	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
W:							
Water	100	Not Rated		Not Rated		Not Rated	
WaC:							
Watt	85	Somewhat limited Depth to hard bedrock Slope	0.46 0.16	Very limited Depth to hard bedrock Slope	1.00 0.16	Very limited Slope Depth to hard bedrock	1.00 0.46
WaE:							
Watt	85	Very limited Slope Depth to hard bedrock	1.00 0.46	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.46
We:							
Wehadkee	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
WhB:							



### Table ENG-3. - Building Site Development - Continued

Madison County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
WhB:							
Wickham variant	85	Not limited		Not limited		Somewhat limited Slope	0.13
WhC2:							
Wickham variant	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
WmB:							
Worsham	85	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell Slope	1.00 0.50 0.13
ZoB:							
Zion	85	Somewhat limited Depth to hard bedrock	0.46	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to hard bedrock Slope	0.46 0.13
ZoC:							
Zion	85	Somewhat limited Depth to hard bedrock Slope	0.46 0.37	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 0.46